



Digital parking enforcement in Gdańsk

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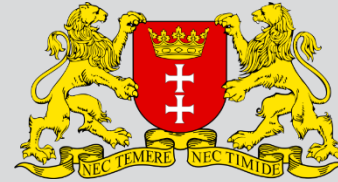
Agenda

- 1** Brief information about paid parking zones in Gdańsk
- 2** Time of implementation
- 3** Scope of the project and assumptions (digital enforcement)
- 4** Cost of implementation
- 5** Description of the solution
- 6** Operation issues

1

**Brief information about paid
parking zones in Gdańsk**

Brief information about paid parking zones in Gdańsk

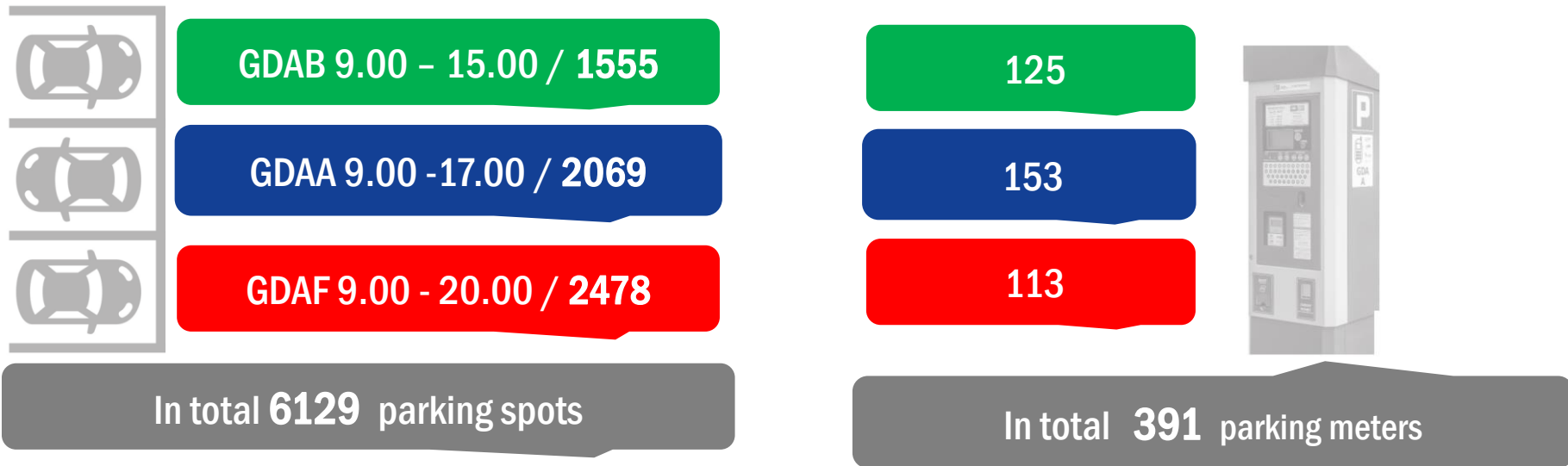


„Neither rashly nor timidly”

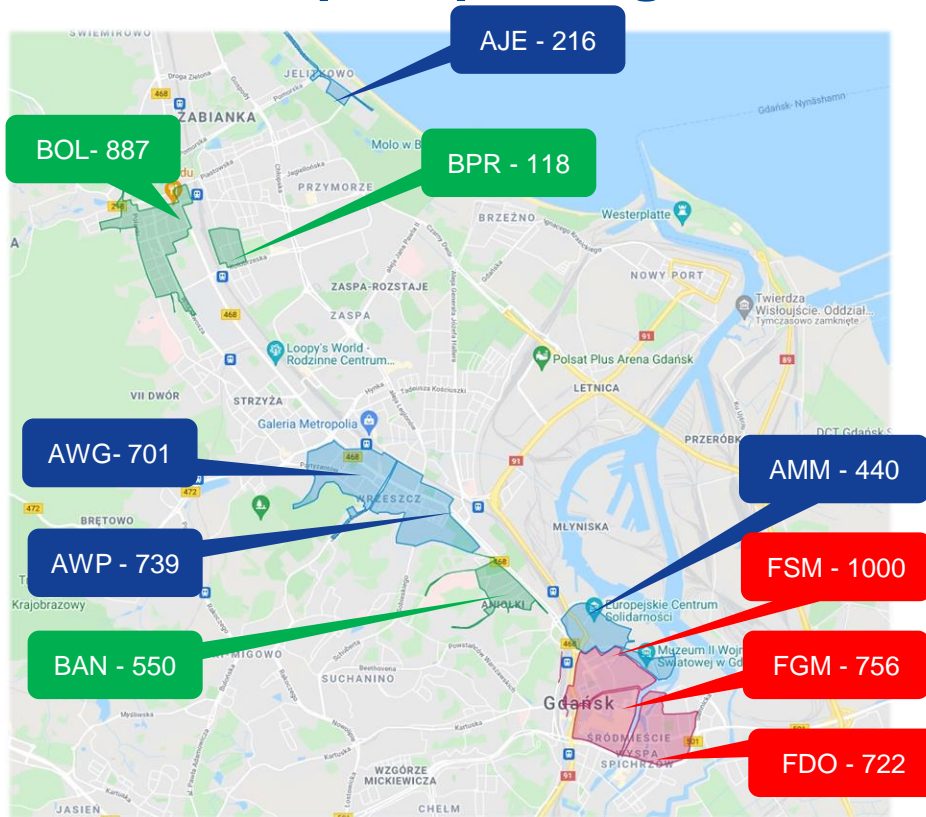


Brief information about paid parking zones in Gdańsk

- Paid parking zones - current state

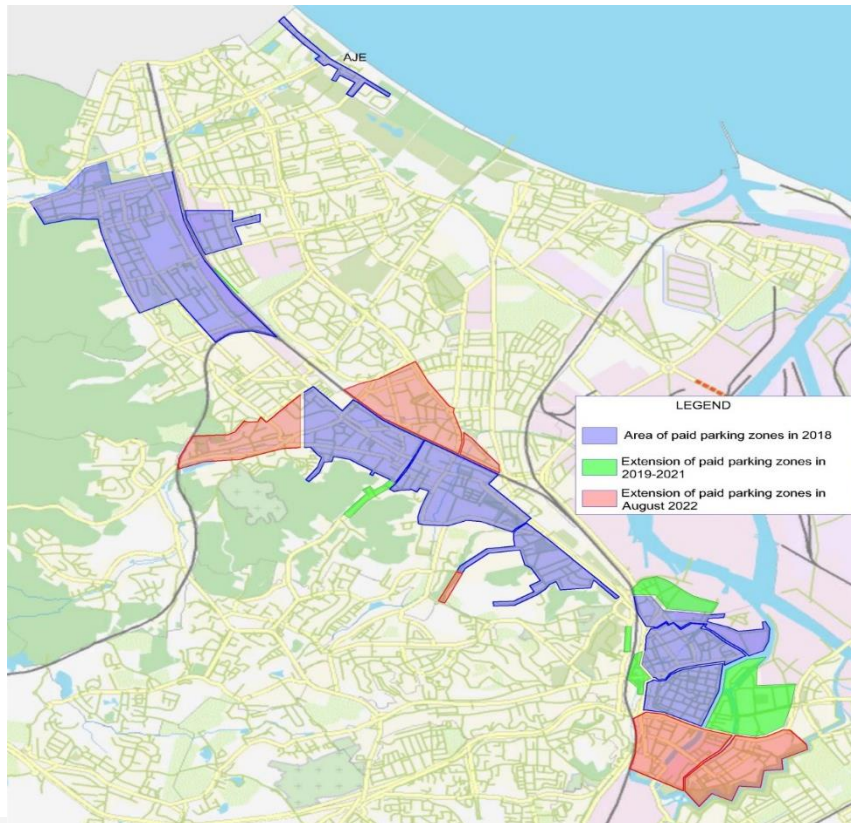


Brief information about paid parking zones in Gdańsk

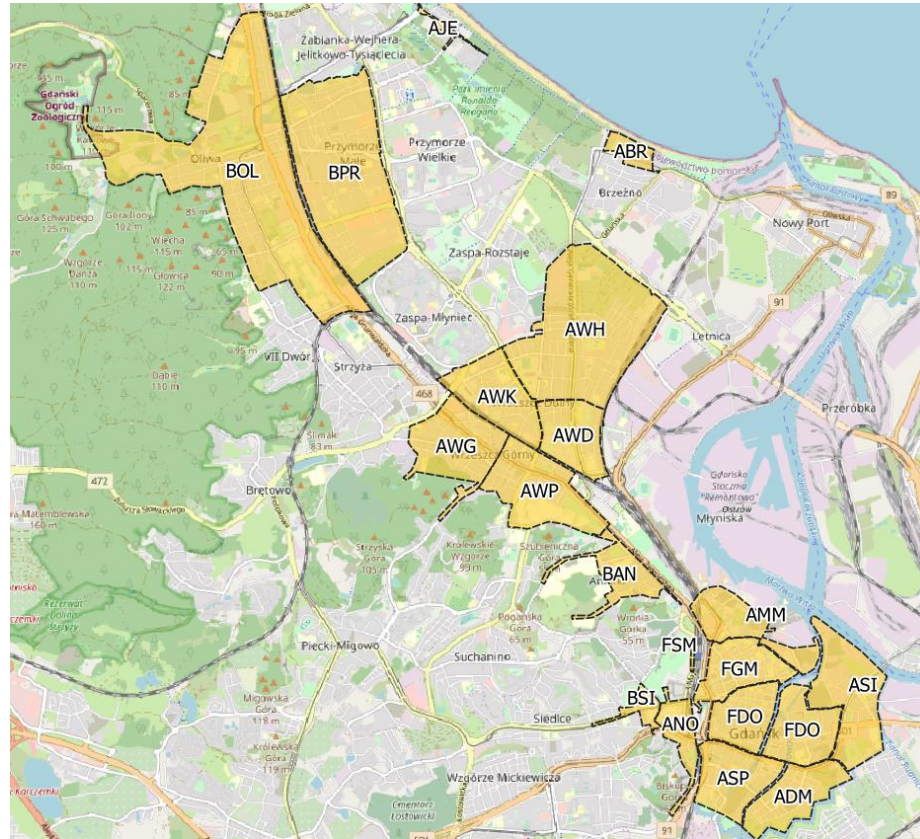


Brief information about paid parking zones in Gdańsk

Extension of paid parking to new areas



Brief information about paid parking zones in Gdańsk



2

**Time of implementation
(digital enforcement)**

Brief information about paid parking zones in Gdańsk

Task/milestone	Date
First thought about scan car	June.2020
First meeting on functional assumptions	August.2020
Technical dialogue	August – December.2020 (5 months)
Announcement of the tender	February.2021
Signing a contract	July.2021
System implementation	August – October.2021 (3 months)
Beginning of operation	November.2021
Service	November.2021 – October.2022 (12 months)

18 months

3

Scope of the project and assumptions (digital enforcement)

Scope of the project and assumptions (digital enforcement)

- **The service** of providing a comprehensive IT solution for the automatic number plates registration of vehicles parked in the paid parking zone:
 - System implementation,
 - Service provision.
- **Assumptions:**
 - One car,
 - Rented equipment.

4

Cost of implementation

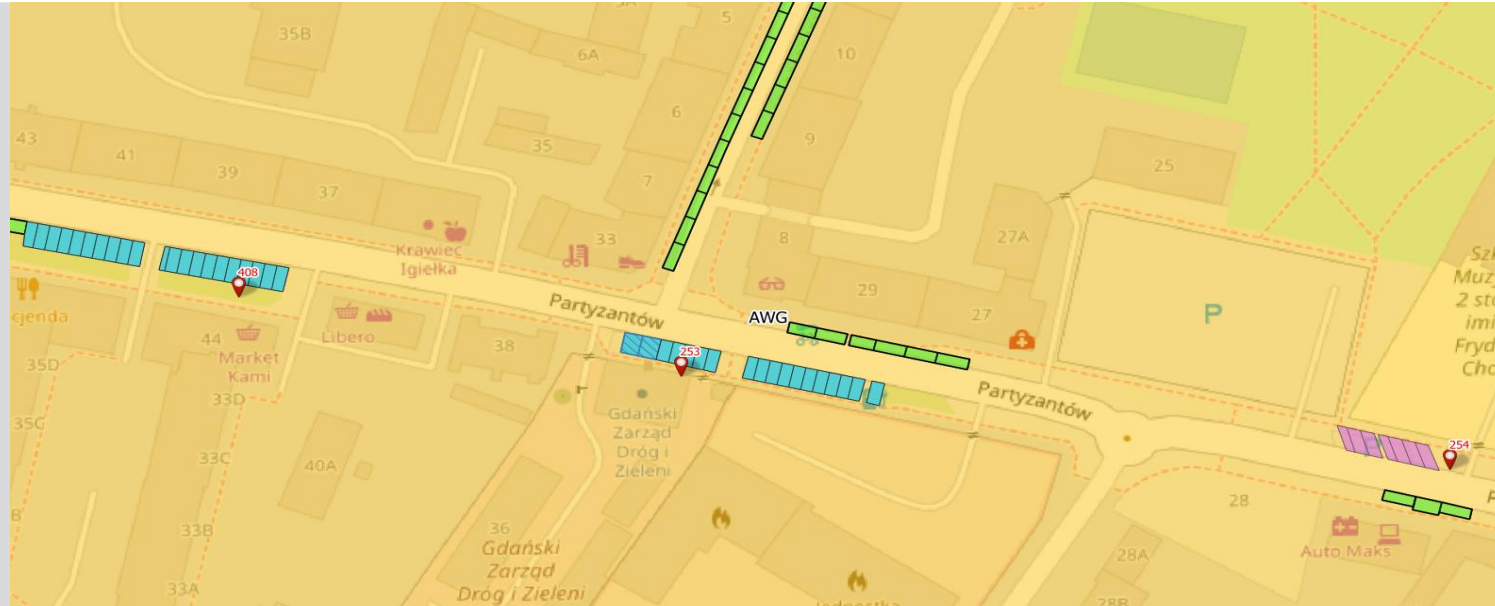
Cost of implementation

- **Car purchase** – 153 000 PLN gross (**33 794 Euro gross**)
- **The service** of providing a comprehensive IT solution for the automatic number plates registration of vehicles parked in the paid parking zone. (implementation of the system + provision of services)
 - 36 000 PLN gross/month (**7 952 Euro gross/month**)

5

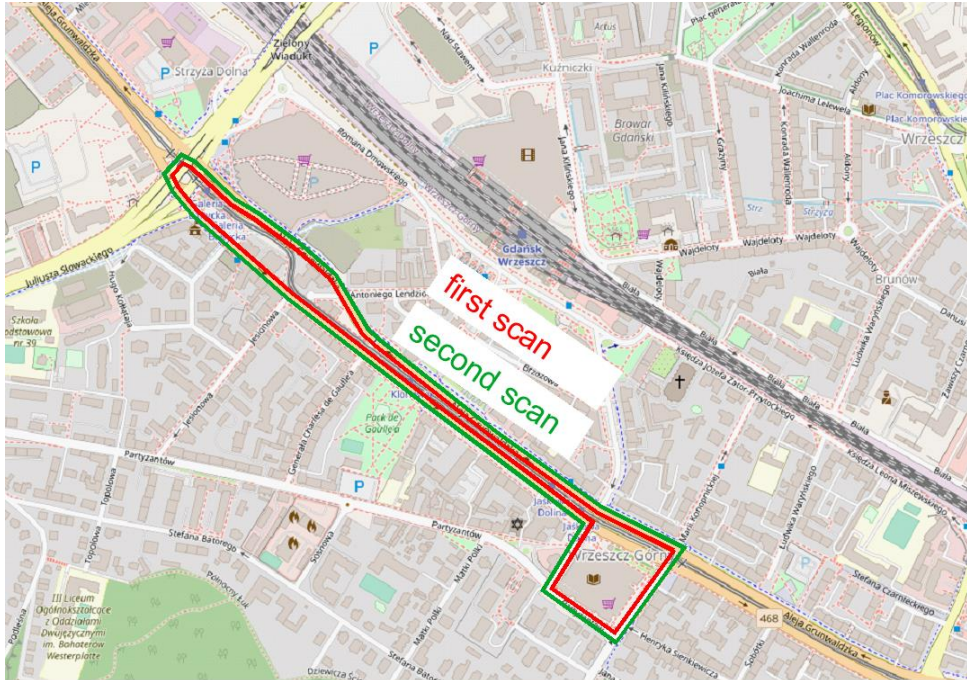
Description of the solution

Description of the solution



All the parking spots where fees are charged have been inventoried and have their GPS coordinates, are entered in the QGIS program.

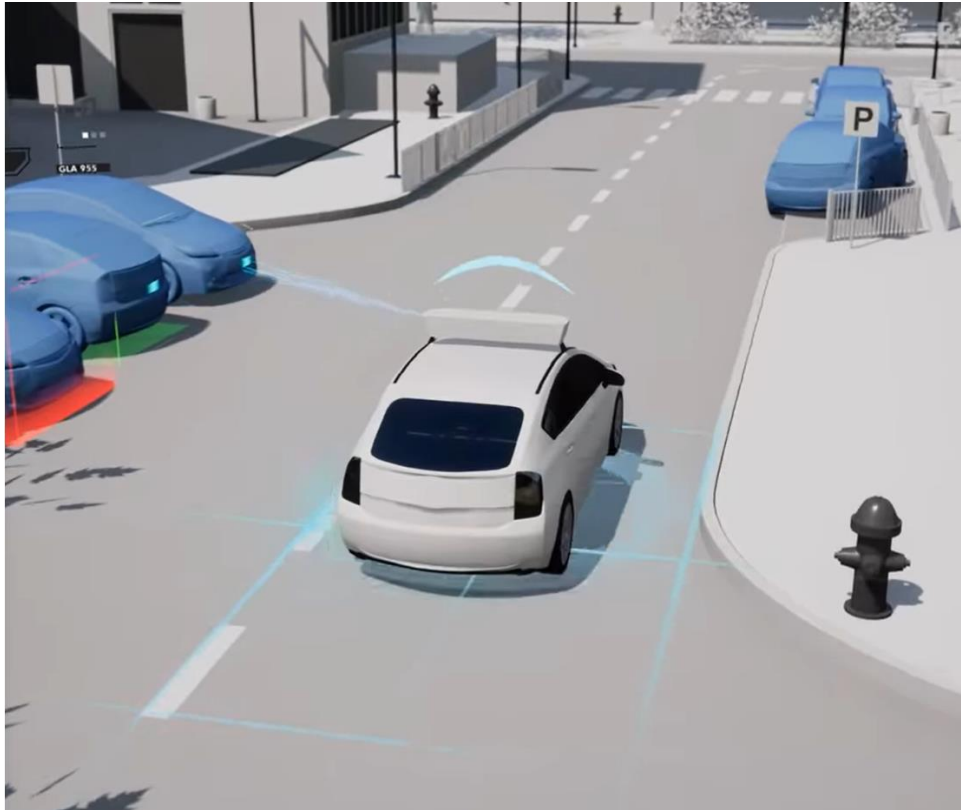
Description of the solution



The inspection consists of a **double scan within a few minutes**, checking the car parked in the same place.

It is so to exclude those cars whose drivers just arrived and are still clicking on the application, or have just gone to pay at the parking meter.

Description of the solution



Description of the solution



PL GD729PW



401. (Batorego) (AWG)

Pierwszy przejazd 2022-01-03 09:02:45
Drugi przejazd 2022-01-03 09:11:37

Ryszard Laskowski (2045) Ryszard Laskowski (2045)
Typ pojazdu: Samochód Typ pojazdu: Samochód

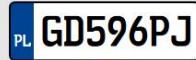


FIRST SCAN



SECOND SCAN

Description of the solution



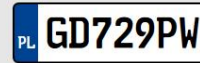
RFID

215. (Grunwaldzka) (AWG)

Pierwszy przejazd	Drugi przejazd
2021-12-03 09:04:54	2021-12-03 09:12:10
Rafał Mahuzek (2046)	Rafał Mahuzek (2046)
Typ pojazdu: Samochód	Typ pojazdu: Samochód



Description of the solution



401. (Batorego) (AWG)

Pierwszy przejazd Drugi przejazd

2022-01-03 09:02:45 2022-01-03 09:11:37

Ryszard Laskowski (2045) Ryszard Laskowski (2045)

Typ pojazdu: Samochód Typ pojazdu: Samochód



6

Operation issues

Operation issues

	Scan car	Inspector
Number of controlled cars, in 1 hour	500	50
Number of issued fines for not paying for parking, in 1 hour	20	2

Operation issues



Verification of
payment on
control place

Fines ticket
under the
windshield
wiper of the car

Time →



Photos

Automatic verification
of payments on server
after 1 day

Human verifies
the photos and
makes
decisions

Requests for
payments are sent
by post

Operation issues

Before



After



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